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These webinar are open to the public and are designed to qualify for 3.0 PDHs for professional engineers, 3.0 HSW continuing education hours for licensed architects, and 3.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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**HalfMoon Education Inc. Webinars**

- How to Read and Understand a Geotechnical Report
- Soil Investigation and Classification

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## Live, Interactive Webinars

### How to Read and Understand a Geotechnical Report

- Tuesday, August 6, 2024 | 10:00 am - 1:15 pm CDT

### Soil Investigation and Classification

- Friday, August 9 2024 | 10:00 am - 1:15 pm CDT

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

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## HalfMoon Education Inc., Your LIVE Education Leader Presents



### How to Read and Understand a Geotechnical Report

Tuesday, August 6, 2024 | 10:00 am - 1:15 pm CDT

Credits: Professional Engineers: 3.0 PDHs  
Architects: 3.0 HSW CE Hours | AIA: 3.0 LU | HSW  
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# How to Read and Understand a Geotechnical Report

Tuesday, August 6, 2024 | 10:00 am - 1:15 pm CDT

Tuition: \$179 per registrant

**Credits:** Professional Engineers: 3.0 PDHs  
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## Agenda:

### Overview

- Review the background of the audience in geotechnical engineering classes in college
- Review the scope of the audience’s routine contact with geotechnical reports in their work
- Discuss the familiarity of the audience with ASTM standards pertaining to soil and bedrock

### Understanding the Proposal Process

- The request for proposal for a geotechnical exploration: does it explain the project well?
- Does the proposal present a thorough description of the site conditions?
- Does the proposal present known information about the site soil and groundwater conditions?
- Does the proposal clearly define who is responsible for selecting the boring program?

### Review of Drilling Procedures

### Reading the Geotechnical Report

- There is no national standard or ASTM Standard on how to write a geotechnical report
- Read the entire report – not just the executive summary – it is not possible to put all of the important elements in a summary
- Review the soil borings logs in detail
- If there are parts of the report that you do not understand, or that are not clearly written, call the report author and ask for an explanation
- Make sure that you read the construction considerations of the report – it may well be more important than the bearing pressure
- Assume nothing in reading a geotechnical report

## Presented by

**William C. Kwasny, P.E., BC.GE** *President CRL Associates, LLC*

William Kwasny is the founder and president of CRL Associates. He has worked on numerous projects as a geotechnical engineer throughout his many years of experience, both in Minnesota and Wisconsin. He has also been an active member in a number of associations including the American Society of Civil Engineers, The Geoprofessional Business Association, Minnesota Geotechnical Society, and the International Code Council.

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## Agenda:

### Formation of Soils

### Properties of Soil

- Permeability
- Compressibility
- Soil hydraulics
- Soil strength

### Soil Classification

- Soil textures
- Soil classification chart

### Soil Classification Process

- Site reconnaissance
- Geology and visual observations
- Drilling and boring
- Test pits
- Sieving
- Laboratory analysis

### Soil Improvement Options

## Presented by

**Nathan Jones** *State Soil Scientist*

After a short time working construction and in law enforcement, Nathan Jones finished his degree in Environmental Soil Science at the University of Georgia. He started working for the Natural Resources Conservation Service (NRCS) in Wyoming in 2006 mapping soils on an initial soil survey crew. In 2010, Mr. Jones and his family then moved to South Dakota where he worked on updating soil survey information until he was selected as the State Soil Scientist in 2014. Mr. Jones is responsible for anything soil and soil health related across the state. He enjoys teaching most anywhere, but especially at the local middle school where he talks each fall about soil and why we need to take care of it. He and his wife have four children, only one left at home now. They enjoy pretty much anything related to the outdoors.

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# Additional Learning

## Pond Design and Construction

- Tuesday, July 2, 2024 | 9:00 am - 4:00 pm CDT

## Current Issues in Landscape Architecture for the Southeastern US

- Tuesday, July 9, 2024 | 8:00 am - 3:00 pm CDT

## How to Naturalize an Existing Stormwater Detention/Retention Basin

- Wednesday, July 10, 2024 | 2:00 - 4:00 pm CDT

## Asphalt Pavement: Production, Placement and Preservation

- Friday, July 12, 2024 | 1:00 - 5:15 pm CDT

## Restoring Natural Spaces

- Friday, July 12, 2024 | 8:30 am - 4:30 pm CDT

## Nevada’s Great Basin Regional Aquifer System: Basic Groundwater Hydrology and Groundwater Flow

- Monday, July 15, 2024 | 9:00 am - 12:15 pm CDT

## Introduction to Groundwater Modeling

- Tuesday, July 16, 2024 | 9:00 am - 4:00 pm CDT

## It Doesn’t End in August – Extending Interest in the Garden

- Tuesday, July 16, 2024 | 8:30 - 11:15 am CDT

## Roadmap to Ethical Issues in Construction: A Primer for Design Professionals

- Tuesday, July 16, 2024 | 11:00 am - 1:00 pm CDT

## Brownfield Planning and Redevelopment

- Wednesday, July 17, 2024 | 10:00 am - 12:00 pm CDT

## Threats to Trees and How to Increase Their Survival

- Wednesday, July 17, 2024 | 11:00 am - 3:00 pm CDT

- Thursday, July 18, 2024 | 11:00 am - 2:30 pm CDT

## Introduction to Stormwater Modeling

- Thursday, July 18, 2024 | 9:00 am - 4:00 pm CDT

## Landscaping for Pollinators

- Thursday, July 18, 2024 | 10:00 am - 12:00 pm CDT

## Deep Dive into PFAS in Our Water

- Wednesday, July 24, 2024 | 9:00 am - 12:15 pm CDT

## A Horticultural Guide for Realizing Full Potential of Green Infrastructure Projects

- Monday, August 5, 2024 | 8:30 am - 3:50 pm CDT

## Designing Accessible Pedestrian Facilities under ADA, IBC and PROWAG

- Tuesday, August 6, 2024 | 9:00 am - 12:30 pm CDT

- Thursday, August 8, 2024 | 9:00 am - 12:30 pm CDT

For more information and other online learning opportunities visit:

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